

DESCRIPTION:

PMI MODEL NUMBER P24T-10G31G-60-T-512-SFF-DEC IS A SINGLE POLE, TWENTY-FOUR THROW ABSORBTIVE SWITCH DESIGNED TO OPERATE OVER THE 10.0 TO 31.0 GHZ FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND FAST SWITCHING SPEED.

SPECIFICATIONS:

- FREQUENCY: 10.0 to 31.0 GHz
- INSERTION LOSS: 12dB GOAL / 14dB MAX.
- ISOLATION: 60dB MINIMUM
- VSWR: 2.0:1 MAX.
- SPEED: 100ns MAXIMUM
- POWER INPUT: +23dBm CW MAXIMUM
- CONTROL: 5 BIT - TTL LOGIC - SEE LOGIC TABLE
- POWER SUPPLY: +5V @ 1200mA NOMINAL
-5V @ 250mA NOMINAL
- CONNECTORS: 2.92mm FEMALE CONNECTORS

PIN OUT TABLE	
Pin No.	Function
1	E1
2	E2
3	E3
4	E4
5	E5
6	GND
7	+V
8	-V
9	GND

LOGIC TABLE						
5 BIT DECODER						
E1	E2	E3	E4	E5	FUNCTION	
0	0	0	0	0	J1-J2 "Low Loss"	
0	0	0	0	1	J1-J3 "Low Loss"	
0	0	0	1	0	J1-J4 "Low Loss"	
0	0	0	1	1	J1-J5 "Low Loss"	
0	0	1	0	0	J1-J6 "Low Loss"	
0	0	1	0	1	J1-J7 "Low Loss"	
0	0	1	1	1	J1-J8 "Low Loss"	
0	1	0	0	0	J1-J9 "Low Loss"	
0	1	0	0	1	J1-J10 "Low Loss"	
0	1	0	1	0	J1-J11 "Low Loss"	
0	1	0	1	1	J1-J12 "Low Loss"	
0	1	1	0	0	J1-J13 "Low Loss"	

LOGIC TABLE - CONT						
5 BIT DECODER						
E1	E2	E3	E4	E5	FUNCTION	
0	1	1	0	1	J1-J14 "Low Loss"	
0	1	1	1	0	J1-J15 "Low Loss"	
0	1	1	1	1	J1-J16 "Low Loss"	
1	0	0	0	0	J1-J17 "Low Loss"	
1	0	0	0	1	J1-J18 "Low Loss"	
1	0	0	1	0	J1-J19 "Low Loss"	
1	0	0	1	1	J1-J20 "Low Loss"	
1	0	1	0	0	J1-J21 "Low Loss"	
1	0	1	0	1	J1-J22 "Low Loss"	
1	0	1	1	0	J1-J23 "Low Loss"	
1	0	1	1	1	J1-J24 "Low Loss"	
1	1	0	0	0	J1-J25 "Low Loss"	

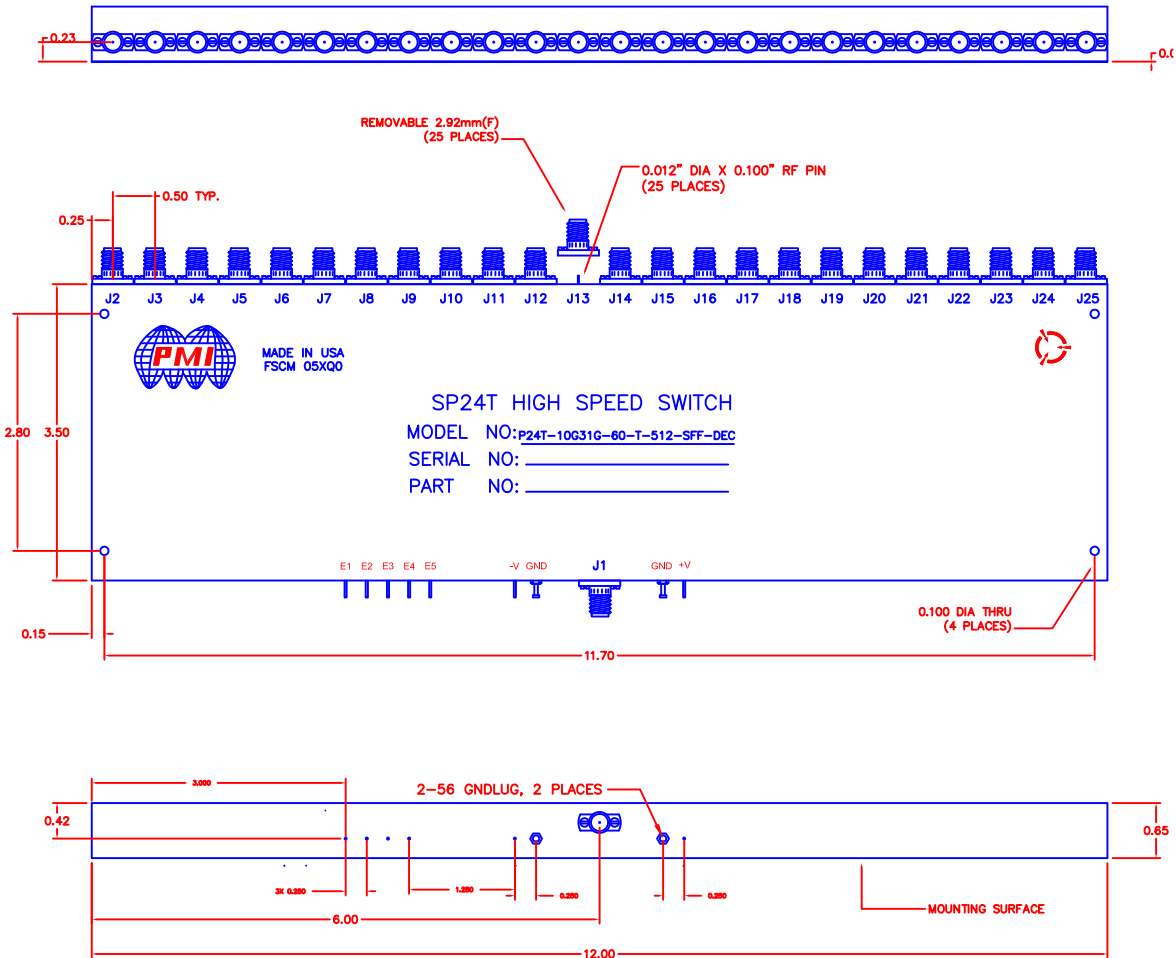
ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°C TO +95°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	11/21/22	



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APPROVALS		DATE		TITLE			
DRAWN		11/21/22		PRODUCT FEATURE			
REDRAWN				P24T-10G31G-60-T-512-SFF-DEC			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	PRELIMINARY	—
				SCALE	N:S	SHEET	1 OF 1